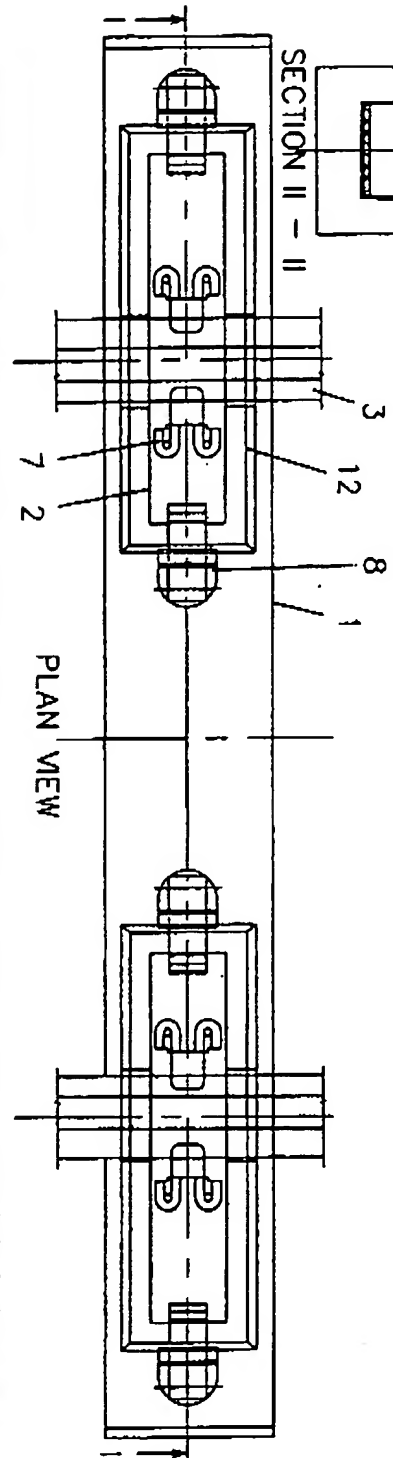
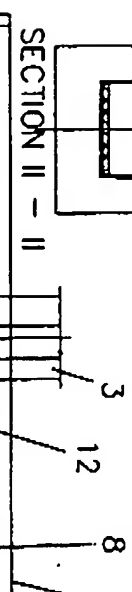
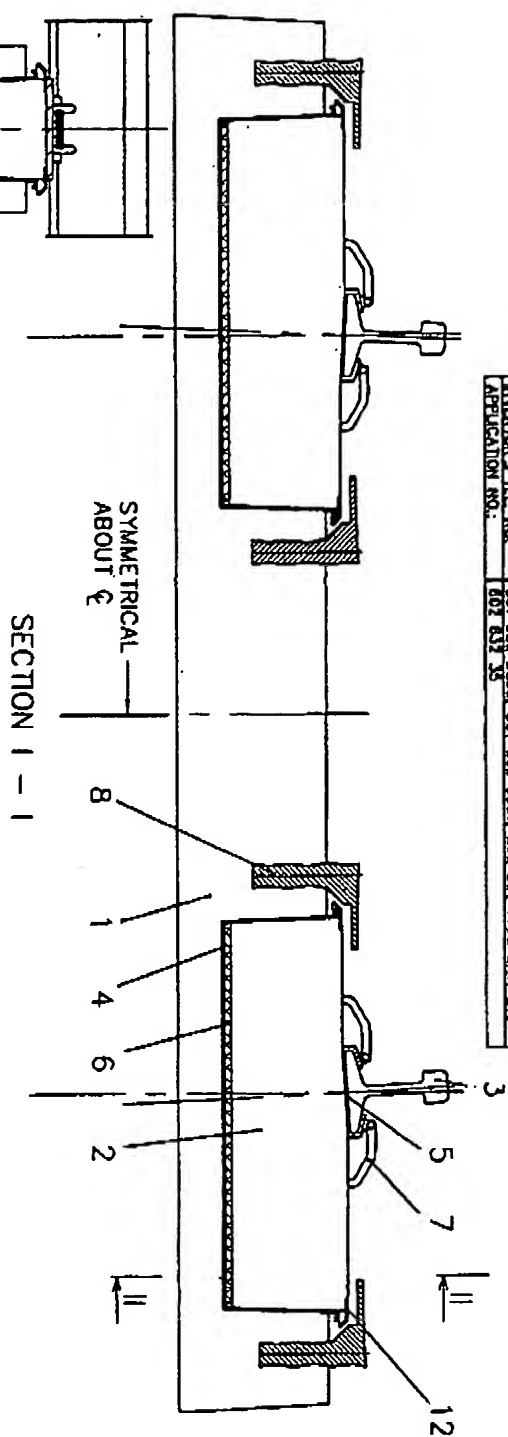


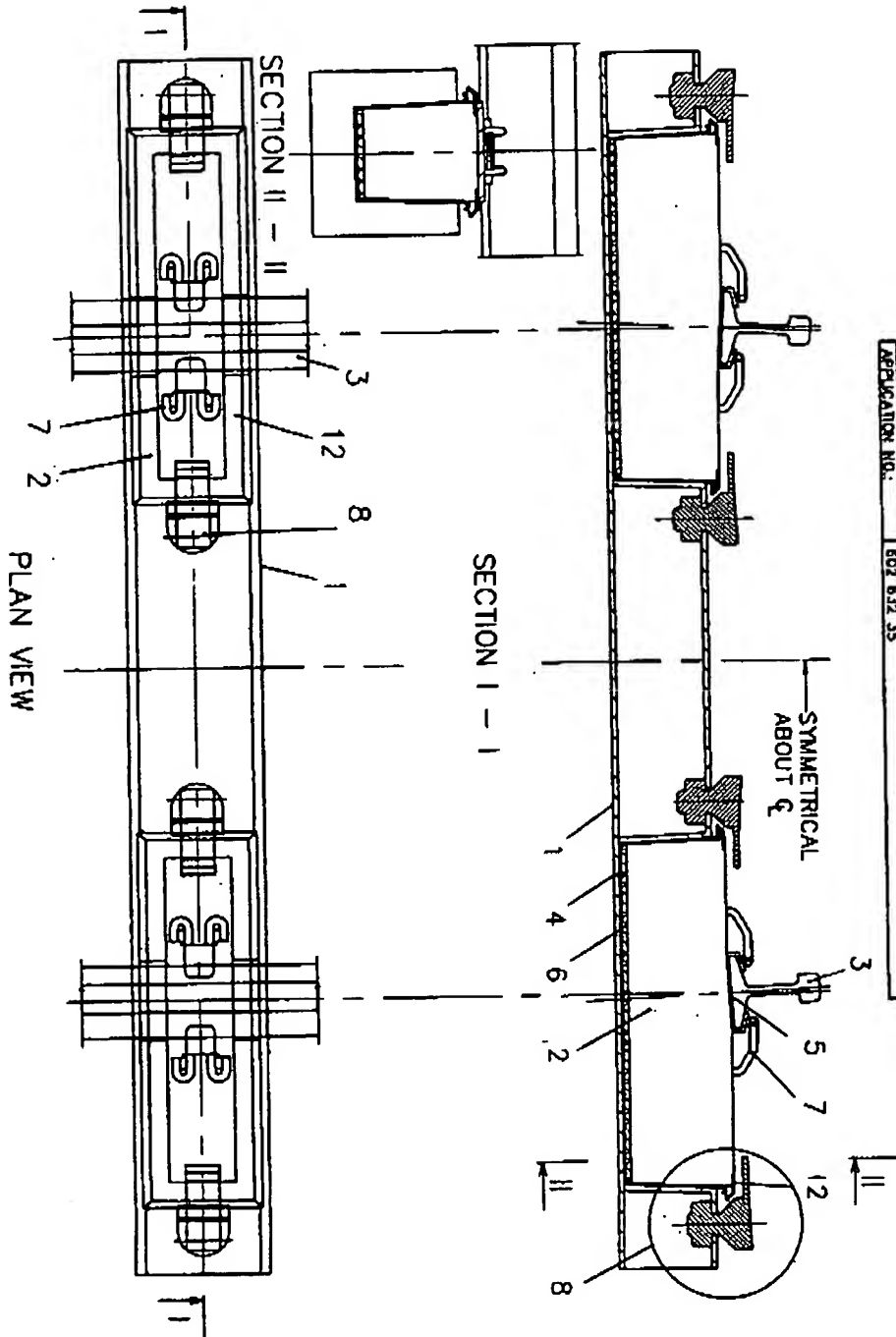
TITLE OF THE INVENTION	INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	JAN H. BOGA, JR.
INVENTOR'S TEL. NO.	501 372 5211, 501 805 8331, 202 341 7775 EXT. 213
APPLICATION NO.	602 837 35



INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND CONCRETE CASE
NOT TO SCALE

Fig. 1

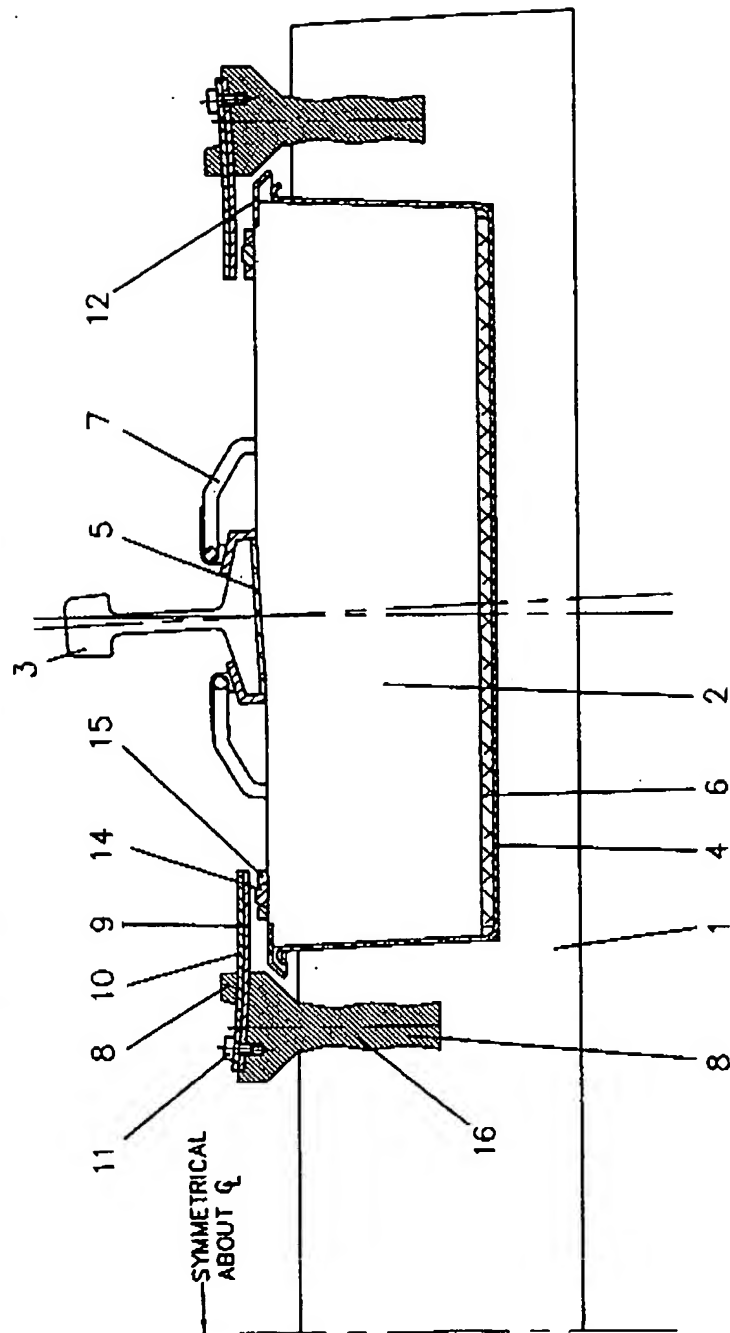
NAME OF THE INVENTION	INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	JOHN W. ZIMM, JR.
INVENTOR'S TEL. NO.	201 322 5211, 202 381 7775 EXT. 215
APPLICATION NO.	607 632 35



INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND STEEL CASE
NOT TO SCALE

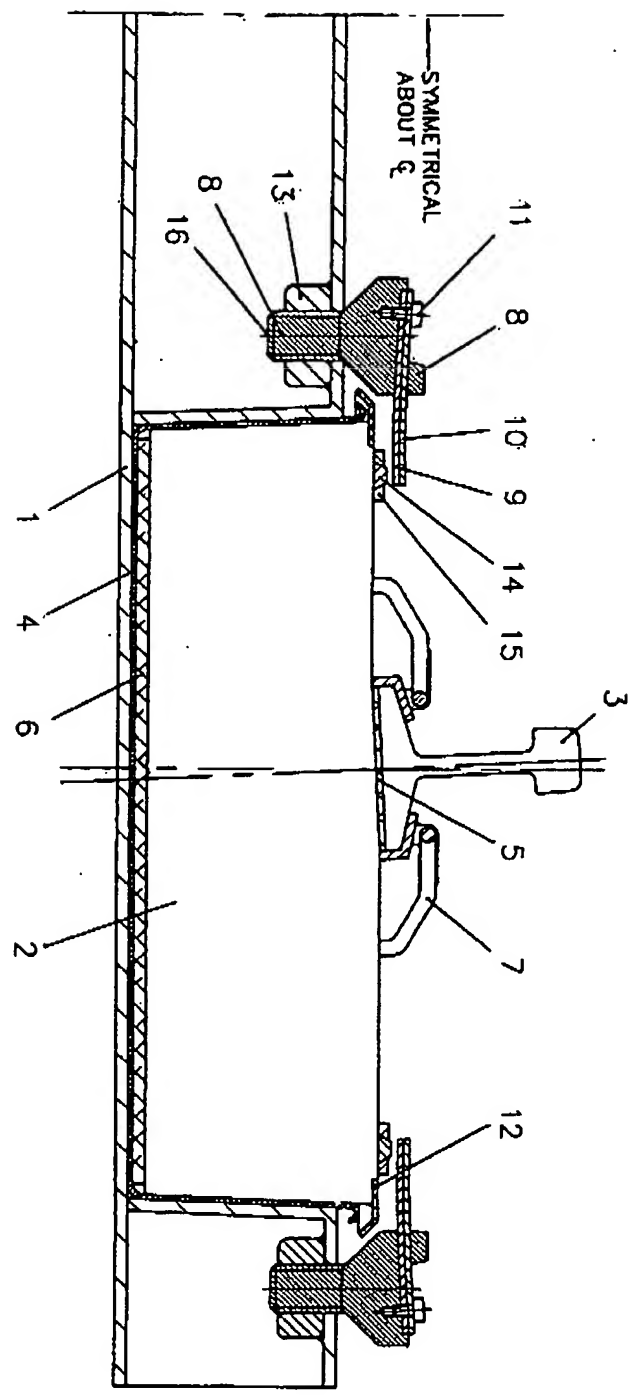
Fig. 2

TITLE OF THE INVENTION INTERNALLY RESILIENT TIE FOR RAILWAY TRACK	
INVENTOR'S NAME	JAN H. ZACHA, P.E.
INVENTOR'S TEL. NO.	301 372 5335, 301 805 6331, 202 331 7775 EXT. 213
APPLICATION NO.	802 832 35



DETAIL OF SECTION I - I SHOWING BLOCK RETAINER OF F i g. 1
 INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND CONCRETE CASE
 NOT TO SCALE
 F i g. 3

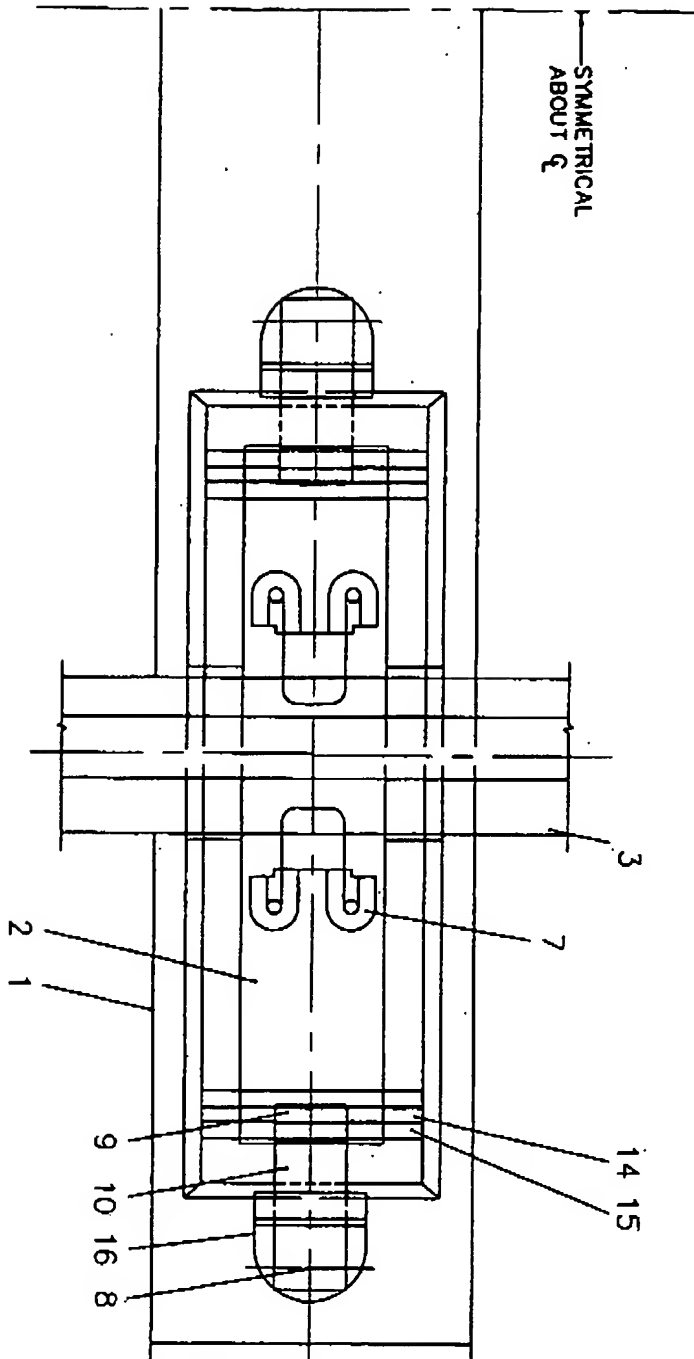
TITLE OF THE INVENTION	INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	AM H. ZICH, P.E.
INVENTOR'S TEL. NO.	501 377 5211, 501 505 8371, 202 351 7775 EXT. 213
APPLICATION NO.	607 817 39



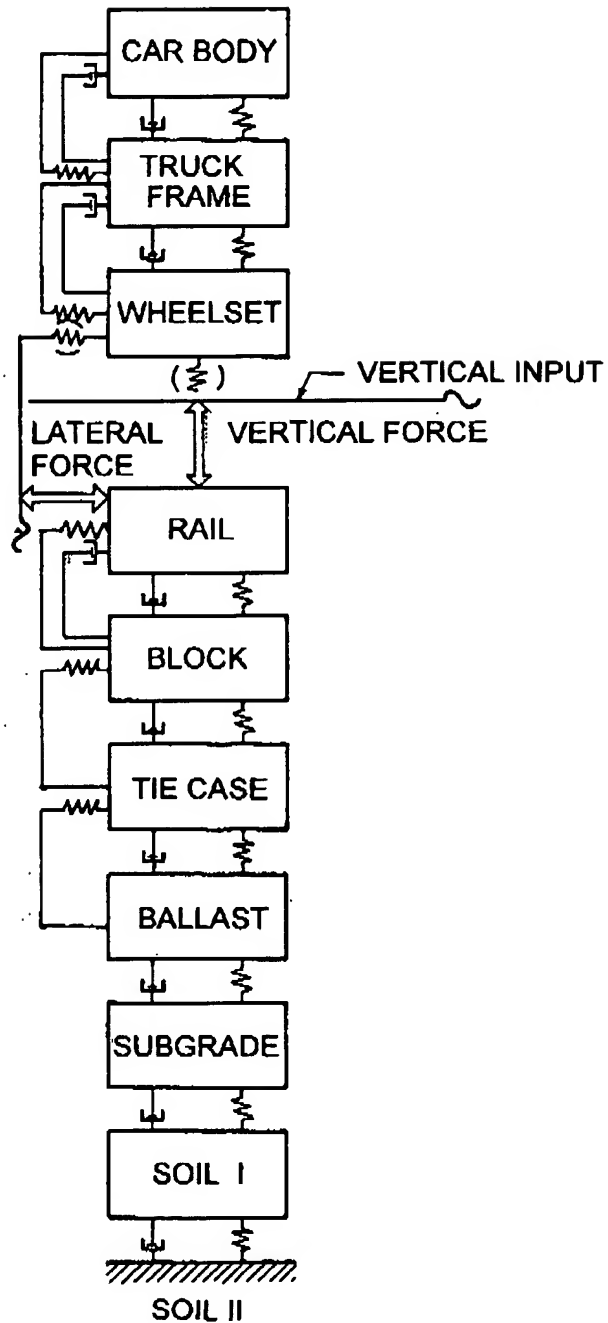
DETAIL OF SECTION I - I SHOWING BLOCK RETAINER OF F i g. 2
 INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND STEEL CASE
 NOT TO SCALE

F i g. 4

TITLE OF THE INVENTION	INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	JOHN H. ZOGA, JR.
INVENTOR'S TEL. NO.	501 372 5233, 501 663 8321, 202 331 7775 EXT. 313
APPLICATION NO.	607 832 19



PLAN VIEW RELEVANT TO BLOCK RETAINERS OF F i g. 1 AND F i g. 2
 INTERNALLY RESILIENT TIE WITH INDEPENDENT
 BOOTED BLOCKS AND CONCRETE OR STEEL CASE
 NOT TO SCALE F i g. 5



DYNAMIC TRACK / TRAIN INTERACTION SYSTEM - MODEL FOR ONE AXLE

F i g. 6